# AVIOLITIES DE LA TRANSPORTATION DE LA TRANSPORTATIO



New Council Leadership: Laurence D. Bell, left, outgoing president of Aureral War Production Council, Bast Coast, whose Bell Aircraft Co. built the sensational yet-propelled plane, discusses Council matters with L. C. Goad, seeder, right, the suc Council president, and wice-president and general manager of Eastern Aircraft division, General Motors. C. M. Council, looks on, general manager of the Aircraft War Production Council, looks and

#### **Bombings Hit Pre-Invasion Tempo**

Progressive destruction and dislocation of Reich's economic and industrial system well on road to completion............... Page 16

#### ACCA Group Studies Reconversion

#### Preferred Stocks in Financing

#### Willow Run Output Rises Sharply

#### NWLR Returns Grievances to Plants

Amends directive of last March regulating consideration of certain disputes; summary of week in U.S. and war agencies......Page 11

#### Sorrell Studies Post-War Air Traffic

ATA research and planning director predicts a substantial shift of first and second class steamship passengers to planes.....Page 28

#### Industrial Demobilization Program

Plans to await turn of invasion tide; Congress expected to reject Baruch-Hancock termination clause for broader measure.....Page 13

#### Lockheed Tightens Labor Rules

#### VICKERS HYDRAULIC EQUIPMENT

#### Eases the Work of GROUND CHEWS



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#### Washington Observer

NATIONAL SARVIKE AZT—Lukus Gure is ne newsystet Gauge of efficient as Copied Bill, there will be no National Service Act, or next it appears to result to easily the next it appears to result to easily the legislation of the same and the legislation of the legislation of legislation of the legislation of the legislation of the result areas legislation or many conference to present when it is desired legislation in peace. When is delivered legislation legislation of the legislation of le

MANUVERE — The manageour statution, taken in me first and of 10th, agreement to the control of 10th, agreement to the control of 10th, agreement to the citizent network. Somptorer manageous to entire the control of 10th taken to the control of 10th taken taken

NEW PATHOL BOMBER NEEDED—been stillery men in Weshington are single that there is need for a new type verv-owing patholic benefits, which produced healthy, which produced to the two are also houdlike is to legger than it are the next seeds houdlike is to legger than a grains of some experts would craim set to file area the first much parted at high speed during the day, and leaf healt to have the next might seed to the seed of the produced to the seed of the

TOWITANE VIEW-The Army's elider ora-

end of a 300-feet spins two tops, being haved from Whight Field to the Clariton Councy Arr bose, at Wilsongton, Otto, sub-bose of Wright Field The partner was made frees the hall tarret of a bomber which provided the owner, more Paul at about constraint the cost of an army hampers, the big glader can carry more



the resaller standard If-place CG-4A glader. Both were designed by Francis Accor. Wood

THUMAN COMMITTE CRITICISM—The Treran Conventue has had rather had backtive the committee that had rather had backtive the committee that had been as the fair. B-14 "Massuder," against which four dangers were such (dispenses, pose performance on our engine, #ffield maintenance and of them, according to from committee and of them, according to from committee the land of them, according to from committee the back has been acclused by the Navy sa coof of in

BORING RANGER TO MARTIN\*—It new sppers that the proposal to gait Boxings two-engent Kenney Flytte bost into prediction of Menius is of. For one disagn, the Baltimore plant is still producing the Advances to volume and with the Knyy's recent outer for 30 fying boxts of the recent-benshing Meni type, the plant probably won't be able to handle say more work at present.

AVIATION NEWS January 24, 1944 CONTENTS Witnesser News Section As Wes ...

THE PHOTOS North America Assessit Con-Curren Weight Corp. Formy Assout Co..... Urged Air User

SEASON W. Press..... ALEXANDER MOREWAY LABORA PRESIDEN . Zi

Publication and Enscutive Offices, 110 W. clind St., N. Y. 18, N. Y. Religional Hendonwares 1972 National Press Buddons

And West Coly, 1971 Separat Street, Desires, Ob.

Advertisers Index

AVIATION NEWS & Junery IS 1866.

JET PROPULSION-High Army edicish at trading an Army-Navy conference in Les Angoles, when the jet-propolition pirae recouncement was made, indicated that the lapse in yetpromption receives us to be followed by strict offence veryeding further developments. Only Marcia's Melavy Desert). The War Department arrivately had appeared that "it was cra-

parted scress the country, and tested on another FORD'S POST-WAR PLANS-Visit plant are Ford was going to build transport planes at Wil-



1911 Ford with B-24 or Willess Russ almost as closely guarded as the let propulsion

REPEAT ROMBINGS...A survive after attacks by oir against targets reported as arevisually surrectfully hit? Aur Marchal Sir Richard Holliem Peck, Assistant Chief of Air Staff of the RAF explains that industrial centers are after large urban areas and thus require mony successful blows. Even the most successful attecks lenve neckets and seens see-malliciently attacked and these must be searched out. Then

to what he has rectored. In general, he said, the AVIATION NEWS . Junuary 24, 1844

beenbers to back again, either to complete the

NEW GERMAN PLANES-The latest German Aghters, secondary to Gen. Sounts, "are superporto one we have encountered heretofore." A whote-but their quality is declined. Sunate

NO MORE ADLENERS.—After a Burry during which more than a days, of the planes taken ever by the Army at the extract of the war were turned hark to the stellers, quiet has set in. The but three thirs returned for compacted use probably will be the end of the turn-backs for cial aggregations, so was the case when the War Department religioushed the object had lease bending up to up irrection.

CHARTER OFFRATIONS-There are few

WARPLANE CONVERSION....While the evscattors in the electric marriagement intestry please with an ext in converged conversion. New that Backur's R.28 "Somerforters," is in production, there are reciners who contend it is more readily convertible to commercial deretand that the B-29 will operate easily on the fields built for the B-17. In connection with warplace conversion, observers next eat that Marthe is in a good position with excellent transport types almost inegrediately available for post-war trade, the present types under contract being

sandin caremetible

arely, the energy has a vast repair agazination, and after a while the bombers must attend again



POWER FACTOR VALUES IN DILECTO Loreinated Phenolics\* Pewer factor may be considered as indicated



#### TOMORROW

Yesterday's radio would fed for short of dates befor to today's imprings. Fax of as would have the partiages to feel ground with rememors slight to leave a station broad in properly. Improved Ecotrived brudeting Meterials have made on important contribution to the performance of today's radios, whether is use by our Armed Forces or by distings.

The C.D Lebrardory has made it processory for Electrical and Design Freeingers to "fool ground" consciencetion with numerous types of electrical insulation materials. C-D has developed avaides and types of electrical insulation motorials to meet exertife and exerted problems. The "know-how" accumulated through solving thousands of electrical insulating problems is at your disposal to help you solve the question "What Insulating Material?"



Going through the Willow Box.

ing up huge subassemblies and stade a buge ingersell milked rea-

was section, tivel-making ma-

Bomber Output Rises Sharply

#### As Willow Run Gets Under Way Ford officials mum on plans to enter cargo plane field; produc-

tion under way on third thousand Libergrors. By ALEXANDER MISURELY

VOLUME 1 . Names 26

forten planes, which could lam un-

passed its fourth messouries meeth Teeling Cest - 'Early entires

Margant B-24 Plant-Willow Bur were five times as many it-14's depreced during the last quarter of

storted in March, 1641, and short



Gentinental - Diamond FILLE CO threes of Lawrended Physics since 1911 - NEWARK - DELAWAR

chapes to moure a steady flow of

monufactured in the Willow Ren plant, and the 1,300-arra apreses run. and from 4.970 feet to 6.750 feet long, and a buge hanger which can b Corea Progress - In considerant

Mountain, Mich. plant having exnerwise in hullding both the CG-6. a 18-place glider, and the larger CG+15 carea states. If carea states eligiers, a combunation which does not now exact, but which most stide: iore hughly efficient surgo states

II.S. Aid to Reds. cerred nearly 7,600 sirplines from Shorments to the Servet Uronn

Policy on Naming Warplanes Adopted

Designed to insure uniformity. One of the functions of the comruttee is to standardise all matters

Names Affirmed-The Coverities

ascernit will consider all applications for new sireralt and for purposes of brevity, sames submitted, but one word, and superficially compounded names should be

Other terms of the new polary are: Normes will be assured only to

Navy. Coast Guard or sorr Alften • Hach basic model of aircraft will regardless of the manufacturer name assumed, for example, PUSA, B. C. D .- Atracobre, F4F, FM1, 2, 3-Wodest. It was explained that, in consec-

types of airrest. This particular



PERSONAL AIRCRAFT PROPONENTS Members of the Personal Aircroft Constittee of the ray a recent mortise in Weshington at which they disaround the table, are Corl Wooten, sales regeager,

for the Chomber, Don Flower, sales monager, Cesma

erel Accoraft Corp., and charrens of the committee. John E. P. Moroon, manager of the Personal Asserted

Names currently in use, as ap-

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both Agrees VV a

School at Kast Hartford, Conn. Grunnan Acconsulated Corp. Beth-Mamilton Standard Propeller School, Westerly, R. I., Naval Air Statten, Norfalk, Va., Naval Acr Staties, Son Diego; Naval Air Tech-Norman, Okia , Moraphia, and Jack-

F Greend Schanle-In adition, there

CAA Jobs for Vets

durbarre. Cati Service qualifica-

AVIATION NEWS . January 26, 1844



torpedo plene and Helicat and Wildoot fighters in considerable numbers British Navy Flyers Wildow fighters, Yought Corner

Train on "Corsairs" Third of feet sames got instruction in U. S. schools, Admiralty The Breish Nexy reveals that

Frain Under U. S. Officers-With in training, the students are under nearly one-styled of all British Navy American-beatt creft Radio is the In order that the firers may be Vice Admiral John H. Towers, foras well as the EAF, Coat John The Errish cadets true to the country from 13 to 14 regulbs and

CAA also gives details of the

Iro, through CAA and the State Depariented Types are for avention mechanics, mints and acronwatical private contractors in this country ing Service Entrance examinations

#### Lea Bill's Progress Slows Down to Hale Hearings are short and memory

After more than a year of offert

farther from emotasers last week The House Interdate and Pareign Commerce Connective, which re-

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tion Officials, and for the air underagainst support of the belt. The meeting was ineligated by persons State Officials process, which contends

Darbhies Accessed Budgood and citing daugely arenny the various

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BLIMP VIEW OF CRASH SURVIVOR A blams on courtal normal found that merener of a Newy SOAC chapter to A titled on course pured home the survivor of a very poor, theyers to the courterned plane. The simble dropped a life rath and coursely

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\* Bill Sloved Down-The occourtion

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Arromatics Adversariation with AVIATION NEWS . January 25, 1546



NEW "MUSTANG" GOES FASTER AND FARTHER The received North American P-51 Mustane, which speed, longer range, higher serings coding and still re-

ton sounding a horn to reution the other a change of pressure at the

which peaker a better. The Aret

FEDERAL DIGEST

#### **NWLB** Returns Job Grievances To Plants, Unions for Settlement

tain disputes; surrenery of week at U. S. and war agreeses. Begansteley for settlement of individual grievances under the exof Dryman 10 of the NWLS West

min. AFL. and the National Brane. b Margrick Named-Marry Marry irk, of San Antonia, has been on-Production Board in charge of the • Individual Grievanes - 7 h e

\* Sixual God -- Procedures governing

nesstered. Mayerick also was elect-

Amenda directive of last March regulating consideration of cer-WFR has shoulded controlled ma-

charge is an order constitutes pincefering with production, WPH has ureans are: United Automobile, Arrintered by MPB in consucation with

Defense Plant Corp. Drywyter Acceptation Corp. Lone Island Deraid Nelson appounced the au- tracks with the Determe Plant Corp.

AVIATION NEWS . Jensey 26, 1966

One provides additional equipment cost \$50.000, we overwell everyth The other contract calls for addilooks conforment at a plant in Queens County, N. Y., to cost \$240,mitment of \$915,000 North American Aviation has increased do contract with DPC by \$1,000,000 for plant facility and-

Higgins Contract-DPC avacances to provide additional families at a plant in New Orleans at a cost of WEST COAST REPORT servened its DPC contract by \$145.-600, for additional equipment at a

b Lureber Prices-Celling prices for volced by the Office of Price Admin-

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a Pleasand Committee—OPA has antripled a few seen Develop Vo. 100 visory Committee, to consult on pricing problems Serving will be Physical Corp.; E. W. Daniels, pomiarst of Harter Phywood Corp., Thumas R. Malariary, vice-president of M and M Woodwarking Ca. J. Massfertining Co., and Berman

Twigh, luminoted Douglas fir plycortice and surrest parts among other things, OPA said women in war plants and their adjustment in the new jobs are best obtained by a system of personnel management general to women's needs, according to a recent study study is told in a reamphiet. "The Woman Courseller in War Industries-An Effective Senters," and

#### Lockheed Tightens Labor Rules; Firms to Meet Bigger Plane Quota

Heavy increases in output som Mody with comparatively small increases in manpower; progress slackens on new helicopters LOS ANGELES First tellestres. that the nation's airreaft factories

soon may shed their beggees' garb in the labor market is seen at Lockheed Aircraft Corp. In Burbook, fatcharge sky. Absences no lorson Due inegely to expert labor utilifor that tood feeling or receivery ration. Lookheed today is in the from a bangawer no leagur goos reneat Throughout Lockband

stants there is a tiphtocopy up and cornainy is hiving no more than 30 . Mangavery - Consultdated Value seri Erna Accompationi in San Dogo, Northrop in Hawthorne, North American in Indewood, read

NEW CARRIERS CONVERTED FROM CHURING First tabaserephy of emy of the North's sine \$4.666, ton cranger types. Toursed with the new 25,000-con Europ.

class curriers, they recently attacked Japanese bases o'll the way from Wake to Robard

AVIATION NEWS & forces to 1844

aleady aggregoes in complayment as have to go outside the San Diego

the arested number of new work-Desgins may be expected Lockheed's present enviable labor pom-

P. DESIGNS STABLE ... Though to the

Now Helicopters - Engineering

Industrial Demobilization Program To Await Turn of Invasion Tide

Congress expected to ignore Baruch Hancock contract receives tion these and concentrate on statement framework for mourn of plants to travertine basis

our do so, in an effort to establish Convent will proper the Baruch-There will be no mayor reconver-Novy leaders are confident of the

and continue its efforts to provide raductry with a statutory frame-From every source to the sauson.

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summed it up heat when he met a leadure in his offer to talk over coconversion problems. "With our of ratterials, labor or facilities to ions essential civilian production,

This statement cleaned up any forement usb. With a near rade of ) Fully Oak ... Thete was also be

Chairman Donald M Nelson, of direct the reconversion when it corner, and is now taking over the Carries & Wilson, and then quetty

racetings left little question in the

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classe empuned list week by Ber-

abov the regot indicative of all of tec"), and a Scante Military At-New Agency-Director James F. redustrial lenders to discuss produc-Byrnes, of the Office of War Mehidilabor was to be held shortly. These

THE NAME SCHOOL BEST SHARRY FOR SHEEP. NEW PLANE IN COMIC STRIP:

The Wook Tubbs powie strip on Jan. 14 showed 200,000 Los Angeles citizens

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Ask Timely Publicity West Costs public relatives offcash sak equal "breaks" on news

Under the surface, public relations Security Bales Vary - Security in East and West Anti-processents

corner strip was ordering, "Wheel out my Mark Widge. I'm roser on a

up allowette, in combat action, of the plane that bursed over the sta-

CAB Circularizes New Safety Rules

the proposed revises of sar traffic votes being consisted for company

it was sent to the industry withower, it is the documents of other Drudling The Bureau ort Mas congress. Public hearings are to be



Stanet G. Tupten lauded to regulations which purpose ticelarly by collision, and expedihOther Bryisiss-In addition to the charges necessary to comply with these suggestions. Part 68 which had come to be a seri of calch-all, was culled of a marrier

GMC's Light Engine

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Minimum Benzirements-"About tices new on the books. Arrong serobster expert under specifica

arberbile for Japanery, 1866, Here in Everbronies that "a lot of other a cut of 500 planes from relevance

Little is to be done with the rules are to be placed in other sections as

Public Must Revise Ideas on Air Output

type plants would total 167,000. This week's accoraft production

he in tons, not units. People like tornage measure of their air power, and on new types yet to be inferhuson models also will be exten-F New Bevice-Using a new device

effort, Wilson tabulated figures to

'votimated over 100,000.' citches spayes, for 1941 was 4,440 pounds, in 1942 N was 0,110, in planes, since this 1844 average b Beavier Types Stressed-"Schooltiles for 1944," save Wilson, "have been arranged so as to place tre-

more important combat modals. The some scheduling trend will perwith an occurpanying outlineation

#### THE AIR WAR

COMMENTARY

#### Strategic Bombing of Germany Rises to Pre-Invasion Tempo

Progressive destruction and dislocation of Reich's economic and industrial system is well on road toward completion

One year are at Crashings as Autho-American str offensive was parity for armed rematance as fatolity to The RAF by Nubt-To the Royal

HAPPER SAN IL. "We promote to ornar-

neumond the score for 1943 by state additional 18,000 tons on other herinfinitrial cries (each with a popu-

forwalship unfred Not recent. • Knecking Out the Laftwaffe A American strategie borntung effort has thus come to the surface. To industrial expectives without pro-

down to a regression. This can be

HOT RECEPTION FOR NAZI AIR RAIDERS The Navy has east released this spectocalar photo taken during on Asia

air-rest as a North African port. A U.S. landing creft, which had been honored by a Previdential citation for its part in the Skillan expanso, is shown burning in the center, or Albed only-erroralt five is served of the

date by constitut the fighter planes producer freshed fighter planes

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on this city by the BAF that factory

showed very little attempt to be-

rate. By the end of 1963, the ner

propellers, and finally by desirence The End Not in Sight-Liowever, n fagr appraisal of regults to date un-





Tests and Calibrates all Types of Propeller Governors

Easily . . Completely . . Accurately This Etherry Test Test (Peer 197) tests and coffbrons of Concluse of way and posteries out-out switch operation of Hamilton Standard pow-

train. Managed on heavy centers, couldly portable about the about Used LIBERTY MOTORS

A ENGINEERING CORPORATION BALTIMORE-1. MARYLAND

MANUFACTURERS OF ALBCRAFT SERVICE TOOLS AND TEST EQUIPMENT Supple res, know these the fire





NEW HEADS OF NAMAL AIR FIRRIY COMMAND: Chee's of the recently assessed was organization, the Noval Air Ferri-Censural, tabels and operate under the Noval Air Transport Service on or or wone, our Case. Alone W. Ring (mals) and Cape 1.6. P. Smith (first) and Cape 1.6. P. Smith (first) and operate and the Noval Capertains, operating agreement Security Size and orecult serve delivered first towards of the organization's evidence

production is November styrial as 1,000 more thus at the beginning Germany, which included Ocher-Strategic Air Pincers-The most A. Speaks has been given over-all

(Eighth in England under Gen Doolittle, and Fritzenth in Hely under Lephrony and the Morin-powers Masters secret lighters. This conbread force is far and away the most powerful new arealistic in an inpowerful new arealistic in an infeath of Orin Spatia II Germany intending the secret of the secret in the secret of the secret in the secret of the secret color and recurs the most operations says in powers of breat different secret of the table time planted at Cambridge at per 22 and 22 and



CARRIER'S "TALKER": Soldon publicated or partered "Salker" aboard on sercost of This one, purbed for oction, laying the garancey officers' to see crease

#### New Device Regulates Flying Boat Loading Gless L. Marca develops "Hydrobat" so speed, streptby operation.

An auteratic weight and balance affection, known as the Hydrical which recolled haddly openhasis and the Hydrical which recolled haddly openhasis because the Hydrical Hydrica

The weapons relable Learnaine the state from local in waterline (darsh) of differing. Forevas and Learnaine tray tensities, and Trinsacribully, which the half flish in properties to retire under the case of an electric state of the way the most effect of the state of the case of th

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poar rolls with the top of the standpipe.

The average of the forward and eft readings as proportional to the weight. The difference of the two readings is proportional to the true readings is proportional to the true readings and bence to the center of gravity.

To find the leaded weight and the

reasuring in proportions to its model, and bonce to the contex of gravity. To find the lended weight and the center of gravity, it is easy necessary to fed the readings on a previously collicated chart. Separate charts may be used for fresh water and see water, or the same chart may be used with a coller on the standpape.

AVIATION NEWS . James 24, 1944

Phillips -- a great name in the Petroleum Industry

Phillips
AVIATION GASOLINE



#### AIRCRAFT PRODUCTION

#### Chamber Economic Group Studies Industry Views on Reconversion

Morehers of Development Council called on frequently by goverament officials for data on post-war production problems.

While there is not yet manimity

Planning-france H Taylor, of vice-charmon and J Biory Smith, of Jacobs Asscraft Engine Co., dep-

leaders in the industry as well as in . sty vice-changes in charge of Incb Education Joh ... Taylor believes toe-

A worker to a propriler plant of Curtile-Wright Curu, is moving a red-had

was networked of the Council and War Preduction Phys. It is stored Many tap executives of the sur-

Headaches-This does not store the problems which it has to free, munt the headsobes to come. It me to get buck on a pencetime bums

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rate ideas. He believes that possibly will leave the industry in a fair no-P Defense. The nation's defense or-

erable numbers of account which

Presence Turks believes the

Test Pilot Record More than \$5,000 fughts, opy-

line priots L. E. Beshop, R. F. Bollinger, W. O. Bargers, John Carroll and A. J. Veccalite, Har-

BOEING'S \$2000TH PRIMARY TRAINERS

Delinery by Borrey Average Co., Wieledo, of the \$500th Borrey Pful?

It is beginning to be known agaplance may be got min fret-class erally that the according to deater, funds. Here is where government Curtus-Wright or other American phones and getting good results and

dollar of occurred cost. Marry order

New "Mustang" Excels In German Raids Improved vectors wrining high-

Greater speed, longer range and a much higher service ceiting are nuce P-51 Mustane, long-coner Cathrier which is accompanying lovely. named lowe-range except fighter. Packard-built Relin-Royce Mortin earlie of 1,500 hr. with two-rispe.

The original Masterno's rate was approximately 400 miles an hear. while the new models have a "900 Despite the shanges made, the use to low level air suggest for strailing trease, smesting tends and a 1,000-pound bomb load, in addi-

tre was tanks or a 500-pound bomb A single place 30b with sympt maneriage, with marie tall and mum runte nouthiblish

#### Grumman Lauded

ing Co turned out more than then any single plent in the country, it was revealed in a letter from Secretary Knox to Aghting Surges than any other strends plant." The fact than

with a conventence! broden coar. venied, it is expedie of efficient



CATALINA CLOSELIP:

Daymal time of a landing over wheel of a Catalian emphision extended

#### Only 4% of Planes Grounded for Parts

Level depos to 1.7 percent in one Overseas theater. War Demerstone

low of 4 percent, the War Departcraft parts minutey. In one overseas theater, only 1.7 common operations problem for New Low in U. 8 -In the United States, the percentage of plants ANATHR NEWs several weeks

tions is higher than the overseas on surelies With accelerated arroraft production schedules for 1944, streradi

ports weriers and their industry + 16 Percent Early in War .- The least proportion of military accorati

With parts fewing steadily, the Air Service Concessed by atthress ASC has set us the largest meets high-prienty rail, see and all extend to every Albed base argued

#### Noorduya Output Up Production by Noordaya Aviation

than twice that in 1944 and more than seven times the number in The firm reported a new monthly AVIATION NEWS . Juneary 26, 1946

#### BOOST ON THE BUTTON!

#### The Simmonds-Hobson Automatic Engine Control

Taxantre calls for subbasemed coordination of sirplaze, peopeller, and engine controls. Climb at rated power... flight at cruising ... all mean contimeous adjustments of mixture, RPM, and monifold pressure which complicate a pilot's job. Acting as a third hand for the nilet, the

Simmonds Hobson Automatic Engine Control simplifies the pilot's task, and resoldes additional earlier contaction. Units may in readuction one all conditions of operation. The Simmonds-Hobson Automatic Engine Costrol keeps "beest" on the button, and pervents mixtures which might spell disaster for the engine. More advanced designs you under was extend

automatic control to the respeller encourse, smark. and other engine functions.

#### Simpores Equipment Flias With Every Tree of Allied Afrersts







#### The First Shot Fired

For Lightning-fast Octowers, Navy Fighters Descend on Brooms Contridue Engine Storters



et 180 EPM, under 30-ten floget davel Manufactured under Collision Patents

TRUES first abot fired in medicin combat is the charge in the breach of a Breem Cartnege-Type Engine Storter, sporting latest horsepower into insteads. shock to engage ports. From norgetrency without the use of warthe question on flight decks

a 2 or cartraige, Breeze is the ac-



PRODUCTION FOR VICTORY . PRODUCTS FOR PRACE

reak in each of the last three craft with Language four-engine morelly, and that output for that beginning and Cartan Helideters be-

Trainers-These figures melade advanced trainer type and the

#### Canada's Air Growth Parallels U.S. Gains 4.133 planes produced loss year

minion In 1939, Canada's arreraft of factory space. Today, the plants

varged trasers, including 1,059 167 Bolysbruker, 1,550 Augore, and Service craft totaling \$,000 were

radustry, uncluding small numbers

each-are scattered fact, bomb and quarters, all wedsty described to Over 500 British Fields

ly aggregate area of British acc-

Despate this, a number of adds treeal sardelds are being planned.

Fort, Assertation Damps-Over

In 1941, Derton had seven our-Felds. Today she has more than 149.

Convair's Fort Worth Chief to Go Abroad

Newman's special assignment thers 3,990 yards long and 100 yards which is a military secret, will rethe andrones-overage 100 acres addition to his other dates



#### AAE'S AUSTRALIAN REPAIR BASE-Deper obstocrach shape interest of an ensure corrhad and recor hance

AVIATION NEWS . January M. 1946

#### TRANSPORT

#### Sorrell Sees Overseas Airlines Skimming Cream Off Travel Market

ATA research and planning director predicts some first and secand class travelers will shift to speedier air medium in first five DOSC-WAT YEARS.

By MERLIN MICKEL

lunes should be able to effect a mixmost intrity prospects, is reached by h Bate Warn and Subsidiers. This is Dr. Lewis C. Sorrell in his latest mediate nest-war named of 1966-

and national competition in heavily His observations are contained in a study on siring passenger prosembosce South America, nine intertende Strictly Dr. Sarroll's own views, the report has gone to ATA Mediterranean region, Avia, South the basis of pre-war travel and

Daily Service—In the current daily fights to Northern and Mediterranean Europe agen thereafter. trade, and nost-war probabilities, often cents a male, or approximately

b Ocean Bates.—"It may not be none.

tienble," he writes, "To achieve that

within the capacity of sirline ceter-

luntur, this would be about 7.5 com-

Between the United States and

TEACHING Army Air Forces Cadets to Fly The job of the civilian flight contractor is to teach Scripling Army pilots to fiv. Accodynamics, meteor-

slogy, engines, payingtion, alregalt identification and other related subjects are taught to Army Air Forces Cadets in addition to the fundamental mechanics which every soundly terined pilot most





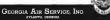


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> structure and mechanics have remained extended new expectrace. This will proude brought our services to commercial and



teerked on augthous but B-17 Flying Portresses assost becom operations in February, 1942. Week metaded restollation of addressal nerroccom reservered. AVIATION NEWS . January St. 1844 Flight Contractors to U. S. Army Air Parces Bennetterille, S. C., and Jackson. Tour.



AVIATION NEWS . James 25 1945



COAST-TO-COAST 10,000 TIMES:

or Period would assessed to \$220 for Mandisp-Dr Servell does not ting ficebility of carm and passen-

are arrangement And 'with al- effective," He supposts as a possible alternadellerent planes, which might be Fatters-Tree is the potential pot-1946-1950 on Dr. Sorrell sees it Has

cools be a combination dayslane. P Equipment - Mont comment arm)tions, its seasonably and other apverted or adopted military types, b Volume - He discusses authorise borne passenger traffic to and from the United States in 1860 can hardly

eleck, and 50 to 69 million passeners

and from the United States in 1937." and re-conversion 1945-1950, ex-

#### Plane Seen as Factor In Canada's Expansion CPA official profess vital role for

By JAMES MONTAGNES

Florebras Frobbs -- Armone CPA's and then, may be used the year.

Sense the line is perticularly intage mining communities Darkins

and an opening we now mining fields quarkly after the war, an aid not only to reconstruction but to re-AVIATION NEWS . James 34, 1846

#### Hearings Close on Applications For Denver-Los Angeles Route

Arguments of four airlines-all with considerable merit-prewere known problem for CAB.

Monopoly

ternon serviced he had no

physicism to monopoly of it were

reservances raw be such that traffic warrants one memor

hubed." Petterson sacreted, to

question should be solved, be

thene wrong with It, it is the

twan of the CAB which has every sutherny to mastice high storderds and claverage

The task of parking one or more The question of sirking 'monopely" is squarely up to the Cred Agronnaires Board, be-

on which came to a close in Washin roost such cases. Many pauses are

Another problem-end one that adventages and dissovertages loom-

Frar Lines Investmed-Two trans-

run non-stop fashta as well. TWA geles, with stops at Denver, Las.

additional one at Ceday City Through Traffic-Although most

AVIATION NEWS . James v 24, 1844

dent, possed out that the recent CAR order reference Western's mail If percent was body around Con., hotte said, the company's 1941 pay-

a Beatractice. Competition - Westhold some weight with the board particularly in view of same of ris

enact will be only \$199,000. If any

other namer were awarded that coate. Western would have to safe

CAD for \$799,000 per year eates on

translal's wringenes amorried than it new operates, and into the core-

CONFIRMED FOR CAB:

regions to its present ashedules They awarded the coule to Naticeal. scheduler and maintenance facilities stions were primarily directed to excetter lacel result, whereas East-Mymanthy Case-In reficiention

of possible thinking along these lines on the part of the Board in deterbility of building a spand and losts

R would be too had, Patterson mad through, according to Policeme. The difficulty of cetting away



factors arenteed. United's wateress Patterson said he would "feel bad-Western." He colled the company's



IOINS UNITERYS 100,000 MILE CLUB:

Rep. Joe Martin (right), Masse Minority leader, receives a bruner player from C. C. Thorqueou, District Air Lines sice-prendent, or Martin becomes the 4,000th sumber of Dutted's "160,000-Mile Chip." Mrs Frenklin D.

meen putting all siritess back unto Frail Wagging Bog-The Denver-Or, as referred to by TWA's execuit is a route, which if granted to other than a transcontinguial corrier would mean that a "regional

can and United. The airline feels the other hand. Gallo testfied that greating this rests to TWA would have less diversionary effect on the other lines, as it is only one rule shorter than TWA's present roote ention. Gella stated of that of cither Continental or Western is spinted

creding Although Western had bee-

Financing

region was president of the seriese, neve on Environ hand

906,000 and a San Proprieto

uation rather than in criticism of Western Beceld Creey, Uniteds

cation of CAB." \* Essential-Western's Leo Dworllutte, delending interchange, point-

Trial Economics Attest P. Sartel mucd within a ressensible time

#### Approval of Heavier Airliner Loads Scen

CAB sees bearing on proposal so increase prescription wrights of Douglass and Lockbeech

by 1,000 pounds and its leading weight by \$50. Another involves weight of the Lockbood Lodesser transport model by 1,000 people The proposals apply specifically to Douglas and Lockhood planes excussed with Wright G-202 or Prett & Wittney \$1030 entres-

termenue for ute Pattabargh-Jüdla-

Missaderstanding-CAR officials in effect long ago had it not been of the relate. The ALPA has one

ney StCoG engmen could be increased by 1,000 lb for sea level altitudes" This would require at

nen level a taknoff manney 4 500 feet The amendments would affect parts long. The 500-Ib landing weight

morean weeks imply a 3,440-0: cut that two Wright models are ment, and Prott & Whitney Warne With these mutalled in the DC-3's. they my, the 1000-th morease in pending of course on size of surport grathery operations by the Aueffectively that the present restrac-

#### Bucke Nails Rumors

Few Navy Cutbacks All not assert afficials usgram to for drawn up for 1944

Webrescht Official estamates production lines, to be made at There is disagregated wrong planes or shape when the Nanis the way best of the apported

#### Three Lines File Amendments On Great Lakes-Florida Route Frances Air Lines, Colonial and South East get changes on record

before deadline set by CAB Examiner Newman. By BARBARA PREDERICK

under Your I Nessung that no secreted after Jan. 18, not seared-

Warrester Vellow Cab Co., Worees-P Celestal -- Although not yet conequication, which requests service

between Rossoke, Va. Elkins test Fairment, W. Ye., Pittsbursh, Po. ate between Pittsburgh and Phila-

Arrendment-Also for nomable unproceeding. This application has Principan-Blunfeld, W. Va., Athena,

Englery Air Loan, Colombi Air Go., and Anderson, S. C. Grasswa Local and South East Authors, acts hang, S. C., and Payetteville, N. C. say on the absterment of CAB Ex- to intermediate points on four sepaexpendenced to applications opposit- \$ New Steps Asked--Entern and Falls, lanck to New York, Calegood

Tion formerly decard "list without paints, Eastern stated "From confine, and from intimate knowlodes of the transportage needs of

ICC Rumors Again With mere frequency than rate civi Edger S Gorrell, person

Some observers posited out

portation between various points ton of its certificate against energigar through flights on Bouts 40 berequests immediate bearing, will become Eastern's system usts a

Considetee -- Entern was heard occupies application. The resist Baltimore to Ottawa and Meetreal,

vo. Rending, Sersates, Wilker-

Barre, Pa., Banghamiton and Syraturn TWA salest for an arrestment stance of TWA's newended applica-Mid-Contract Au-

Yorkshure, Mus., Nateber Miss, and Baton Rouge, La. Th. correctly asked in addition to ever E. W. Wiggins Airways edded gev-

route from Newsyst. H. J. to Made Hrian Plying Service, Sorbester

AVIATION NEWS . Jensey 35, 1946

vansa. Virginia, Obso and Con-

be freder filter to pro from Idaho

Cunnic. The company propert an



carrends in Michigan, Monro sancti-United Doubles PCA protested to Markson state Coast Cargo Service Michagan Board of Agronyatics to

h Philiphickishia Service... The comthe state. Having accomplished thus, they will seek to extend thus AVIATION NEWS . Javant 16, 1844

AFRONCA SUGGESTION FOR THE FUTURE. The radical sucus-teriboon draws made tomous by the Loritheed P-34

#### **UAL Spans Pacific** 800 Times in 1943

made coursementely 500 trans-Panew amount to about 16,000 miles.

gine bumbers at Cheyenne. Airport Work Pushed Army, Unsted's new flaths when

### contract to start work on a post of

Your recognized tions have been

nest-year our truffic? advocates of erzament, which has spent \$5,000,000 grading and improving the sie, will

colores the research 1 100-years part

Te Works has assembled a \$606,600 several nurways at state-owned Lofour multipa cubic yards of hydraulio present plans State hands to \$4,-

#### HELP WANTED

PRATE & WHITHEY AMCRAFT such as seeing restrictions. Among no

Assessment and machanical analytical engreers for heat squefors, feel our

Occien segieres Ingressing outes Chesters Matel weders Yestersal (hesterter Assembly three

Webs workers

PRATE & WHITNEY AIRCRAST

#### Mills Field Outlay To Total Ten Million

Major researcements under the federal experiences's \$10,000,000 ment of emiliar reviews, and excompletion of a \$3,500,000 supplied

Canada Continues Ban Further Indicators that Canada

P. Routen Beld Up-Seconds Mantions and Supply Manuter C. D.

able concesses within the gelt of

SAE Sets Up New Air Transport Unit

the council of the SAE at the close of the War Engineering around meeting at Dytrost. Another indication of the growth

AVIATION NEWS . January 24, 1944

CAB ACTION-GAR Improvedly Accorded the Or US-cate of Millount Advisors to extend the reason from March 15 Eary West, Pis., to this card of the increase in melitary and critism target to add from the target beautiful critism target to add from the farty form hour a Number ton try from Minary Tax architecture of Kentern, Affician for

Airerett Ports Manufacturers Who Desire More Essisses to have the collection with one of the ton fairs Departments to the Bedweier which express a clear one contain association with years major Alverd Manufacturer This is an expectated expenditually for



The second secon

INDIUM ... helps to solve two serious engine bearing problems - corrosion and wear

Engine hearings suffer from oil-corrosion and from

wear. That's a known fact But what may not be so well known is the fact that for reveral years now INDIUM has been used to protect bearings in some of our highest speed airplane engines. The alloy it forms with the hearing metal protects against corrosion because of its inherent high resistance. It protects against wear because of its greater hardness. The result is an "hourly life" much greater than Look into the merits of INDIUM not

only as "a bearing" surface but as the protector for many other parts. A brief discussion of INDIUM is contained in a hrochure just printed. titled "INDIUM, An Unusual Metal Doing an Amazing Joh." Send for



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#### PERSONNEL. Institute of Agreematical Sources has. Two new vice-precidents were ax-

handle place and

precent frections Schemer was a natasi experimental engineer and superstandent of the experimental

Court Doubl W. Darby (North) rayad and Lt. Charles Q. Mohra, USN'R.

Brothers, Basarance Brokers, in Los. H. C. Vanteriale, statisticies for the

unt promient of the Managerie Statown Asm, wil conduct burgers

were 1600 and a



Corp. Nelson has been suggested as















mental and development work on in-

Lt. Behart A. Groven, farryerly at the Newpostle Array Air Base, Del , has

John Kulpon and Charles Wilson

chosen William Bergenin Bergen, Charf.





a paint as well as an authority on helt-



Aviation Corp., ofter plac years with

career with Print & Whitney, some

AVIATION NEWS . Jenuscy 24, 1944











Espect Sales Manager for the Sperry

Comb. E. C. Reek, USN (retord), kan natured dates as Navy receiper of Cast. S. C. Ring, USN, deputy director

T. Word, Sr., USN, so director of the division He is succeeded by Combr. Laux Cot Joseph Wilson has assumed

before its functions were taken over by WPB Daring the last wer, Ook T. C. Dorie, formerly rates measure of her Manufacturing Co. has been narved vice-president in charge of mechanical axies planning and expe-

A recent address to the staff of Sper ver, it Mr. Gen Friden freedlay Gen test charf of staff for Military Intel-

Lasewe from 2005 to 1004. In World der the Air Communder, AEF, and New assistant magager of Dougles feeturing division for all plants the Table plont, Morecrath went to introduce of traffic for Alpeles Acc. lengs. Before that he was with Amerfor more than up years In addition

during the past week.

Haveni S. Watsh has been appointed, the Long Beach plant in a rimiter cu-

president in charge of contactproperts Concurrently, Afters 5 Option tenerg to commissary and food per-

served forces as with United Air William F. Arreide, head of Boots Arruntil februire 1962, he received

> of the Marine Corpo Has cristians from reautor, South Penfir Area, reads as fellows Tor skillful and effective performance of duty to paint of a myryas over suchs tops of win selfary cargo to our ground forces good for his personal safety, but a

employed by Ford Meter Co., Creeks

was in keeping with the highest traweb may lobe Cloper, supervisor ter Way Labor Board job classifications for Hr an white Zinkram, countrat New Plane Heater necessary result on 1940 to your Blanc on a enger Zilleran has been

Peol-war heating possibilities prodicted by Howard Blood, Narge



M. M. Obser Geff) and July T. 781

overage angle-family home in cold-

FINANCIAL

#### Preferred Stocks Expected to Grow In Favor in Airline Financing

Successful marketing of \$10,000,000 issue by United Air Lines believed so have strengthened that medium as means of raising

The successful marketing of the \$19,509,000 preferred stock issued by United to new the 46th sar carrier market price of the comparison coming The other airlines are All en immediate response in the price

when specked by the price appreciaparties of the sinker renferreds For example, until American Airin market price, the company's proforred, for all practical purposes, will be tooked upon as returning an

adventure. They feature affands are common stock By converting, at stipulated prices, a position in the

quently, province has been made

b Convertible at \$25 ad The range Doubvertible at \$30 ner share for the 1943. It is enterestant to observe that percent dandered coupon By conpercent. Penn-Central an indicated

Fixarque-The price gyrotices of

Table 1 presents the conversion

ruch attenuest commerc and the

TABLE 1-Convenion Prefer

percent and Continental, 5 percent

originally outstanding to the extent

\$ 15,000 Shares Issued-The Penn-

earns researct-\$5,000 shares of pre-

her. 1960 There is no sinhing fund

All American - White the All

any period, it is not obligated to

arrive preferreds substanding acc

It is neteworthy that the United

of 183 522 aboves of \$160 per value.

he employed. In other words, the

new funds, some \$10,993,993, are

prested in U. S. Government, prenamely stelling sheet 2 percent

pendent upon the availability of

to retire gradually the preferred

#### FDITORIAL .....

#### "The Numbers Racker"

THE ARCEAPT DESCRIPT, Army and Novy, and the metion progress on our 1944 surgraft output We C. E. Wilson call the numbers rocket. The public is unimpressed with the mere substitution of Mr. Charles Wilson's statement on the subject they carnot and will not write the stories which must be written if the country is to understand the sircraft production news of the next six months

It should be made clear that we have been, deports, and bombers. We cancelled months ago or-160 derr-hombers every month. Small transers are effective at once if would account for cutting our monthly unit output by 1,000. No American rivers adequate information, will expect us to replace those 1,000 trainers with as many superbombers

Large monthly gains in numbers of plones are months. There may even be temporary decreases We year not reach or exceed 18,000 this year.

#### Luftwaffe's Doom Near

AMOREAN DEPOTES SERVICED EXPRESSED IN FORE CONtance from the are. Without are monnet, and with man secret wespons, they say that Nesi innova-

Wulfe experimental rocket planer have been Despite popular corners in this country, inspired by wide publicity, that the Germans have secred

#### Simpler Regulations

more an according to all propulations for provide S flurra have been demanded for so long that the Below 1997 gwil air regulations were in such these that no one knew exactly what they were.

The proposed revision of Part 40, in the opinion of Stuart Todon, CAR assurant arreval coursel. Some outstanding critics will say that the new deafts still fall short of the degreed becauty and

structive improvements. It awaits with interest reports from the faid. If suggestions and con-



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than with ony other brond, More stationary Diesel harsepower in the U. S. is lubricated with Texaco than with any other brond,

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